

M 6.4, 8km S of Indios, Puerto Rico

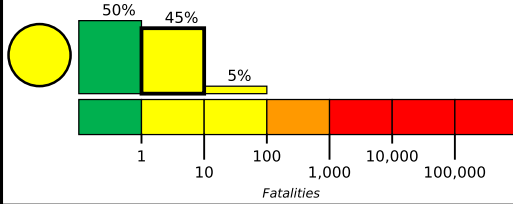
Origin Time: 2020-01-07 08:24:26 UTC (Tue 04:24:26 local)

Location: 17.9161° N 66.8125° W Depth: 10.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 6 days, 12 hours after earthquake

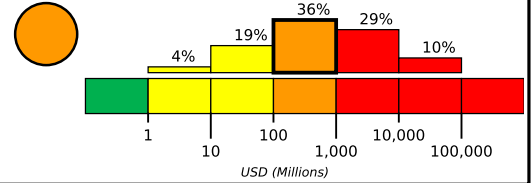
Estimated Fatalities



Orange alert for economic losses. Significant damage is likely and the disaster is potentially widespread. Estimated economic losses are 0-1% GDP of Puerto Rico. Past events with this alert level have required a regional or national level response.

Yellow alert for shaking-related fatalities. Some casualties are possible.

Estimated Economic Losses

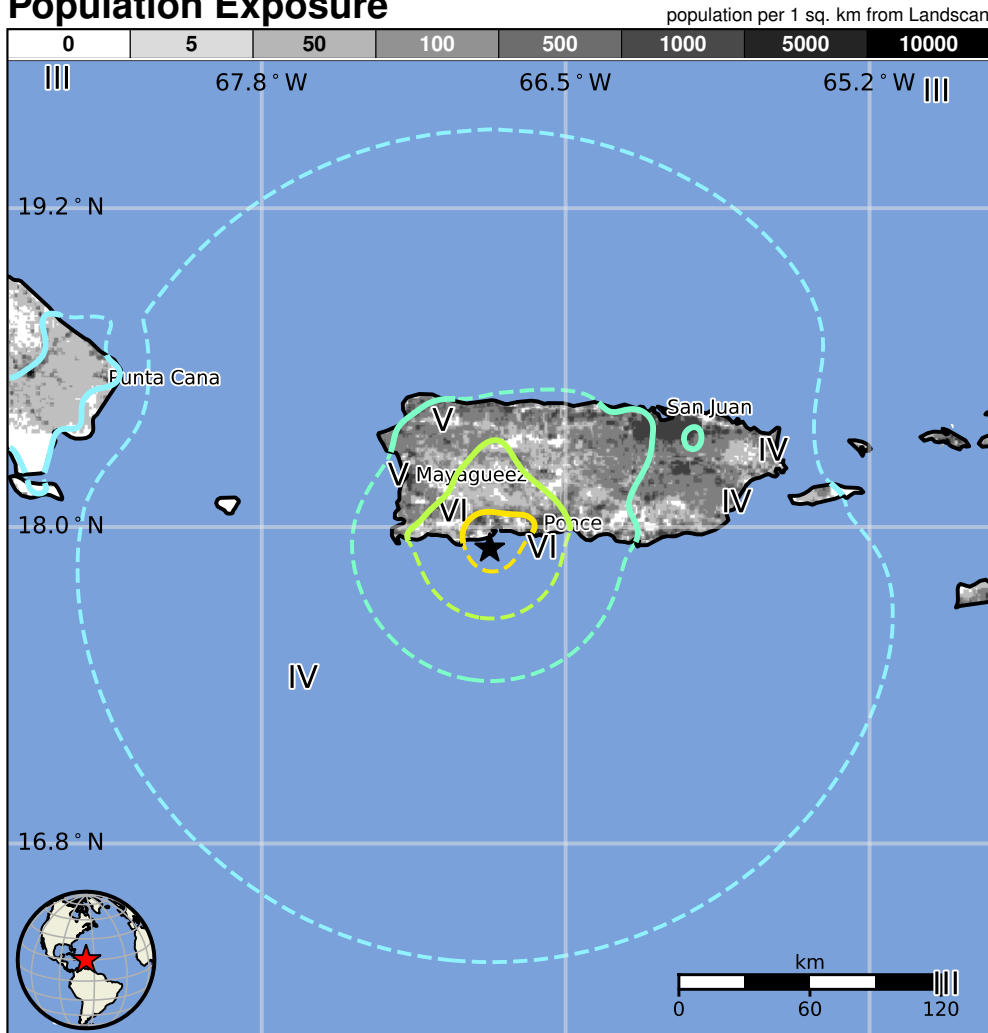


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	123k*	1,561k	1,547k	264k	163k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and informal (metal, timber, GI etc.) construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1979-03-23	239	6.6	VI(605k)	0
1980-11-12	339	5.9	VII(87k)	—
1984-06-24	270	6.7	VII(326k)	5

Selected City Exposure

from GeoNames.org

MMI	City	Population
VII	Indios	2k
VII	Palomas	2k
VII	Guayanilla	5k
VII	Magas Arriba	1k
VII	Yauco	20k
VII	Tallaboa	1k
VII	Ponce	153k
V	Bayamon	203k
V	Carolina	170k
IV	San Juan	418k
IV	Salvaleon de Higuey	124k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us70006vii#pager>

bold cities appear on map.

(k = x1000)

Event ID: us70006vii